

20220722/000001

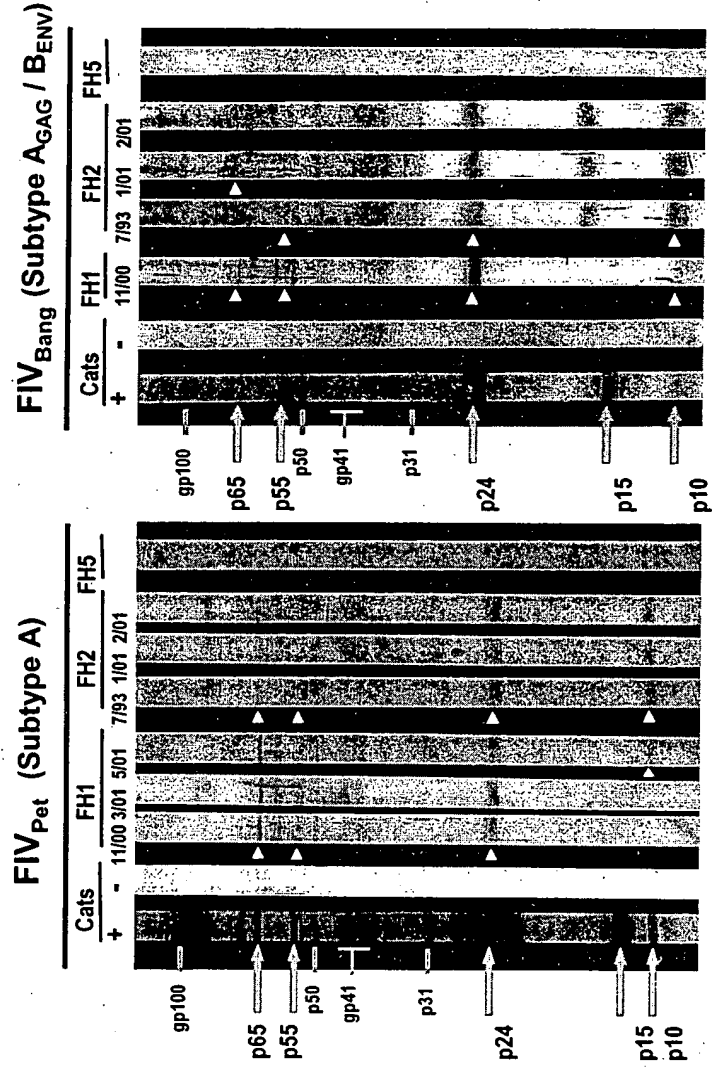


FIG. 1A

FIG. 1B

2022012110001

FIV_{Shi} (Subtype D)

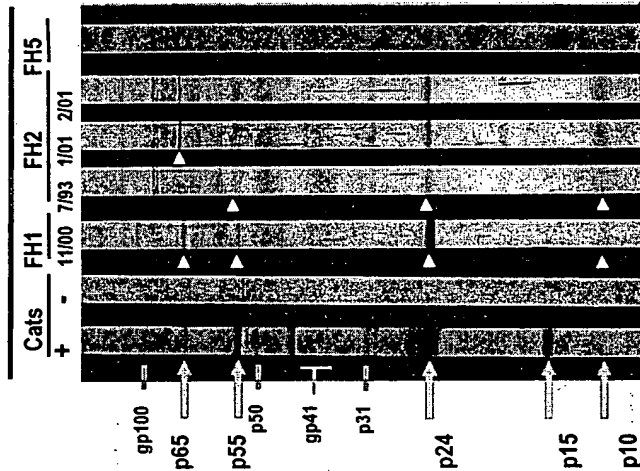


FIG. 1C

VN ANTIBODY ANALYSES	FH1		FH2		FH3		Pooled		C9V
	11/00	3/01	5/01	7/93	2/01	3/01	6/01	HIV+ Pre	36 wk
Anti-FIV / FC1:	<5	5	<5	5	<5	<5	<5	<5	5
Anti-FIV / Pet:	<5	<5	<5	<5	<5	<5	<5	<5	500
Anti-FIV / UK8:	10	<5	<5	25	<5	<5	<5	<5	5
Anti-HIV-1 / UCD1:	<5	<5	<5	<5	<5	<5	<5	500	<5
Anti-HIV-1 / LAV:	<5	<5	<5	<5	<5	<5	<5	500	<5

FIG. 1D

212220-2/20001

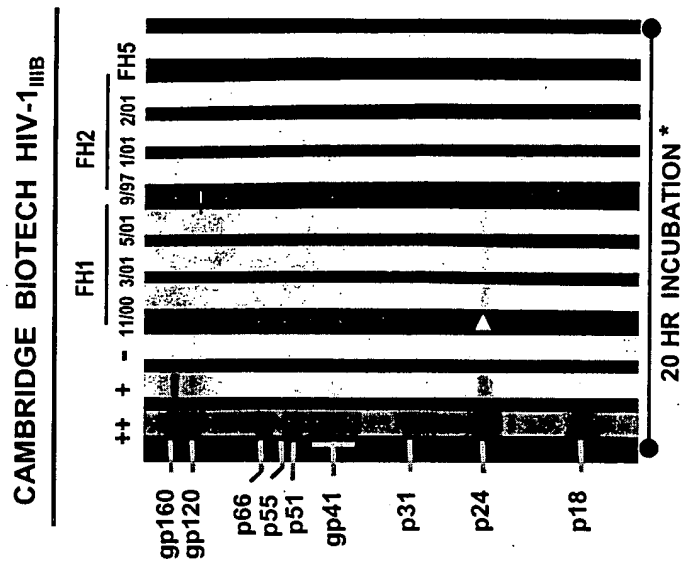


FIG. 3A

202220-2/08001

BIO-RAD NOVAPATH HIV-1_{UCD1}

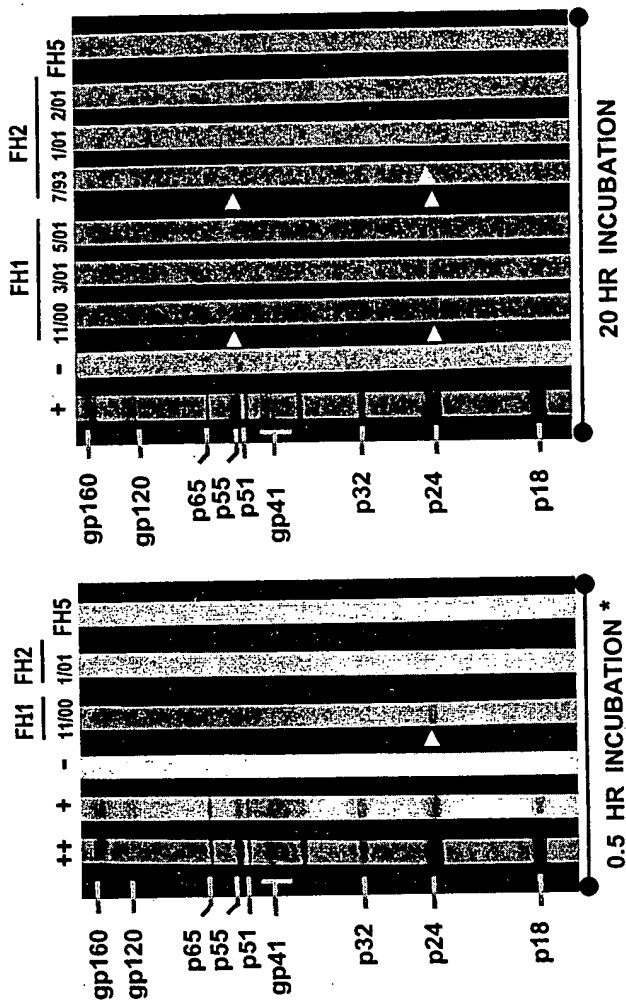
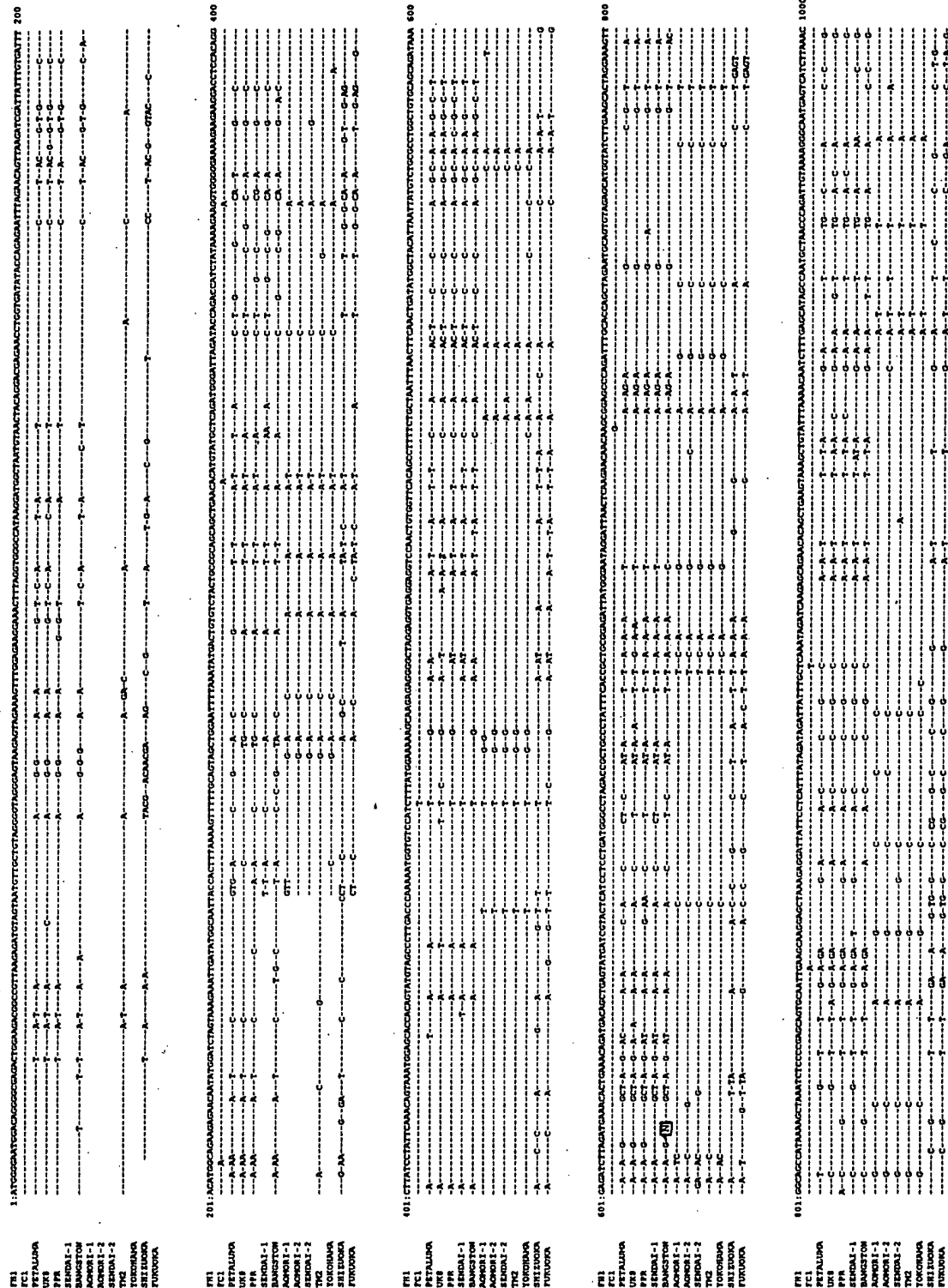


FIG. 3B

FIG. 3C

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100



[illegible][illegible]

FIG. 4--continued

2022072700001

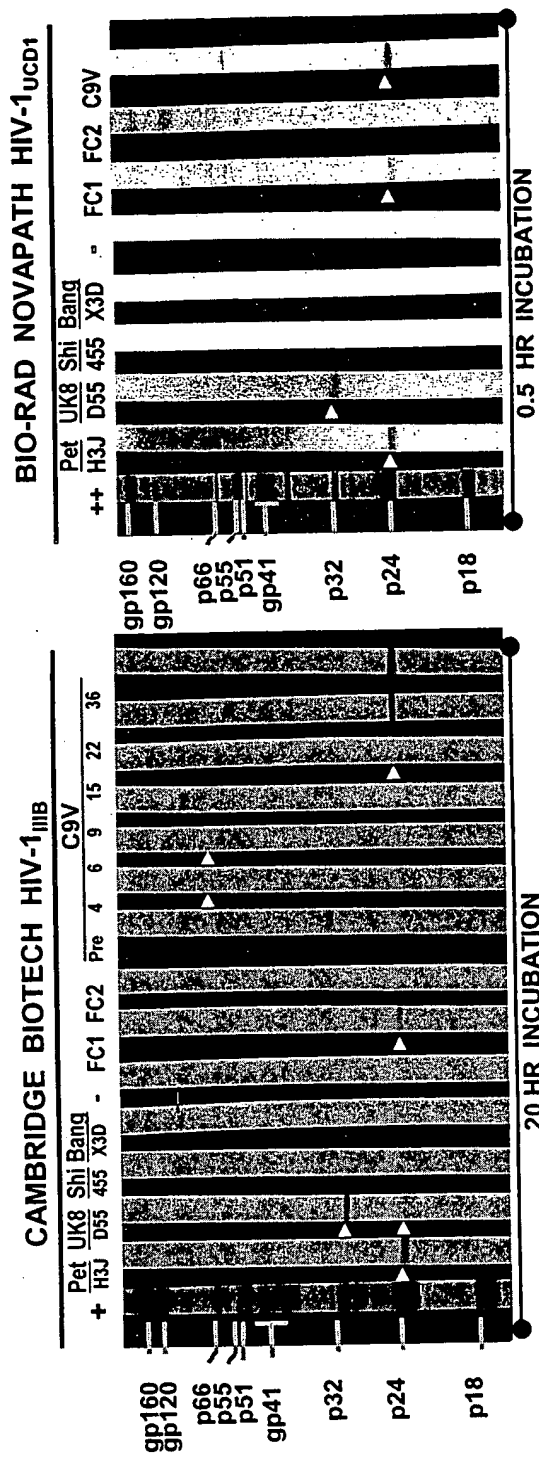


FIG. 5B

FIG. 5A

2022-2-200001

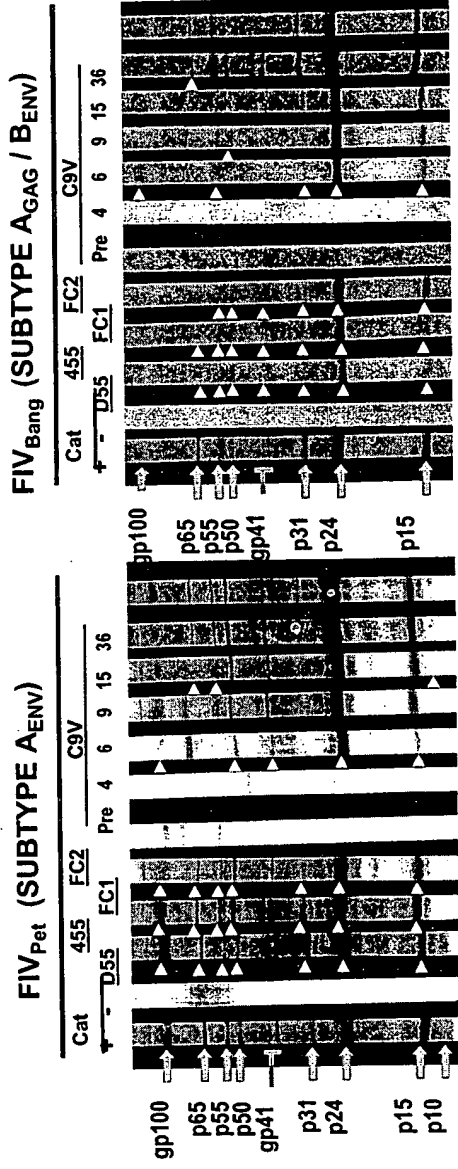


FIG. 5C

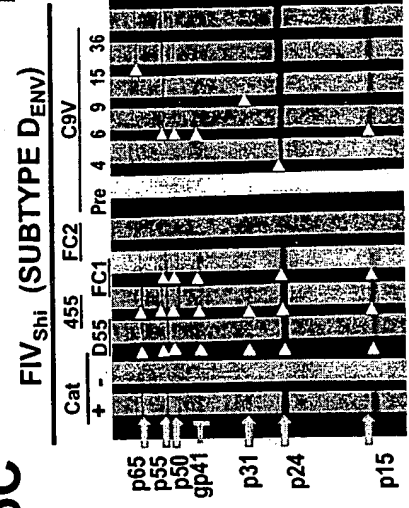


FIG. 5D

FIG. 5E

212220-22200001

FIV – INFECTED CATS

CAMBRIDGE BIOTECH HIV_{CR}

BIO-RAD NOVAPATH HIV_{UCR}

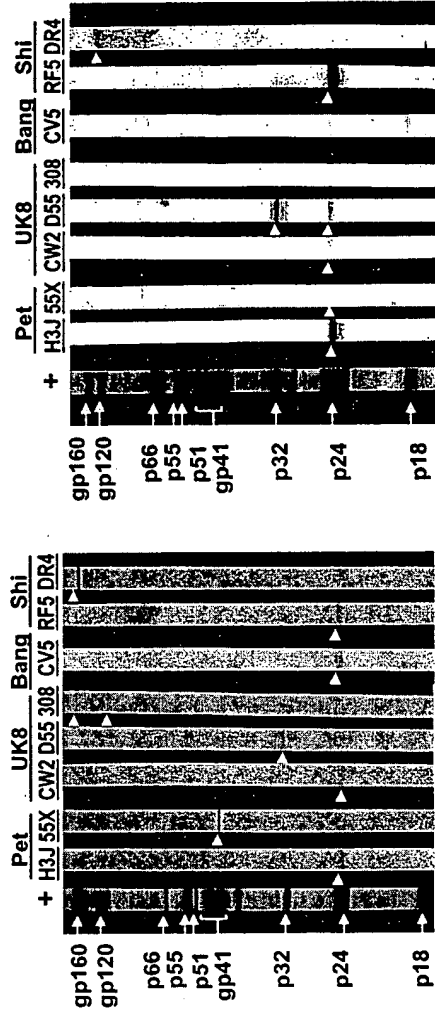


FIG. 6A.

202201220001

FIV – VACCINATED CATS

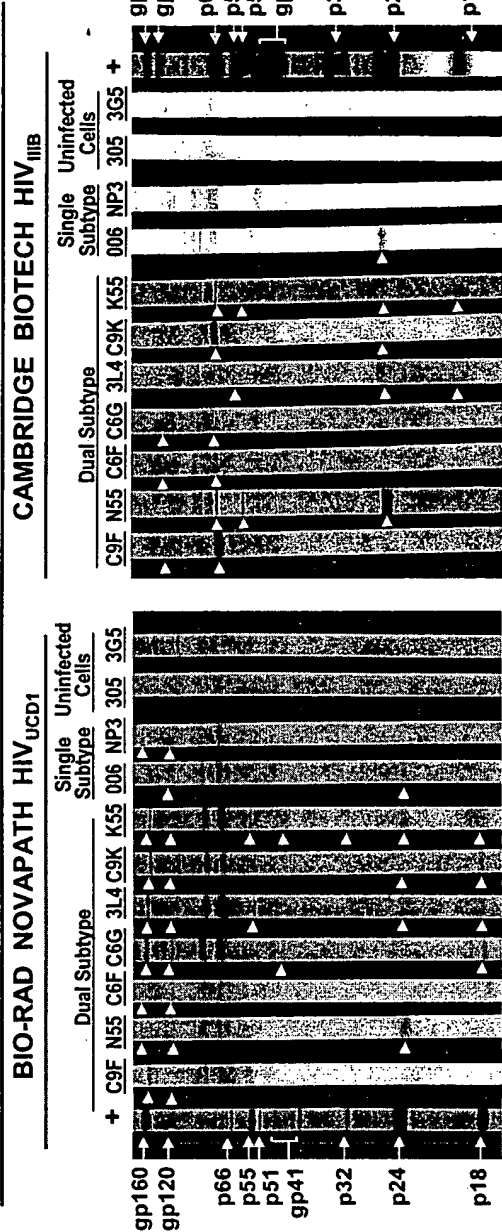


FIG. 6B

20220224

CAMBRIDGE BIOTECH HTLV-I/II

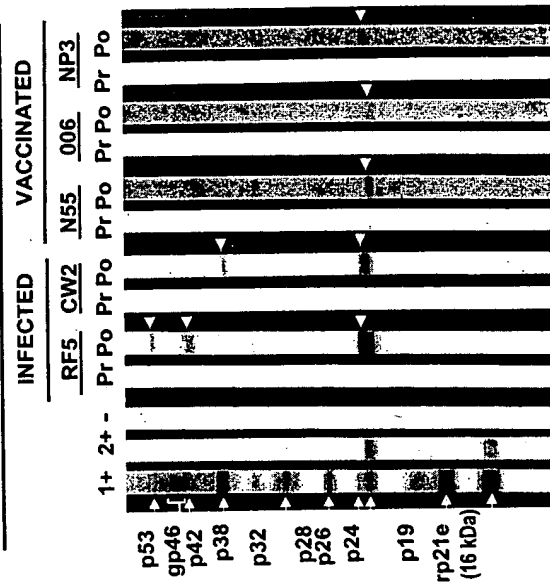


FIG. 6C

20220-22000

FIV_{Pat} IMMUNOBLOTS

BIO-RAD NOVAPATH HIV_{UCD-1}

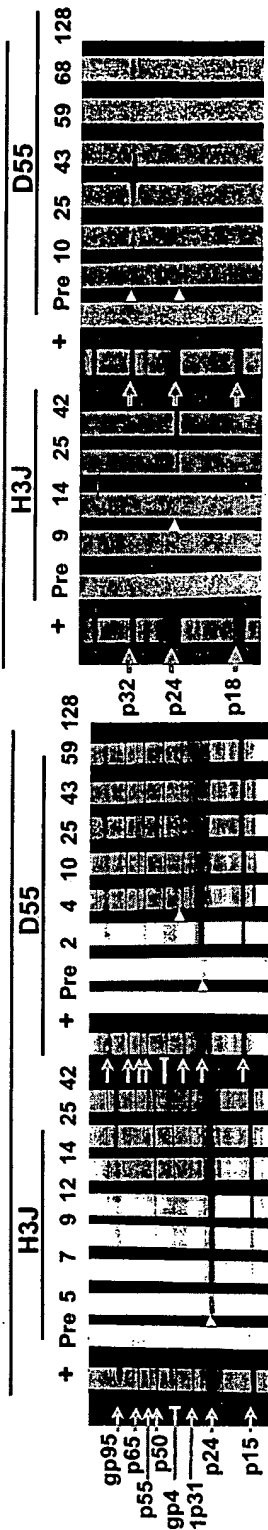
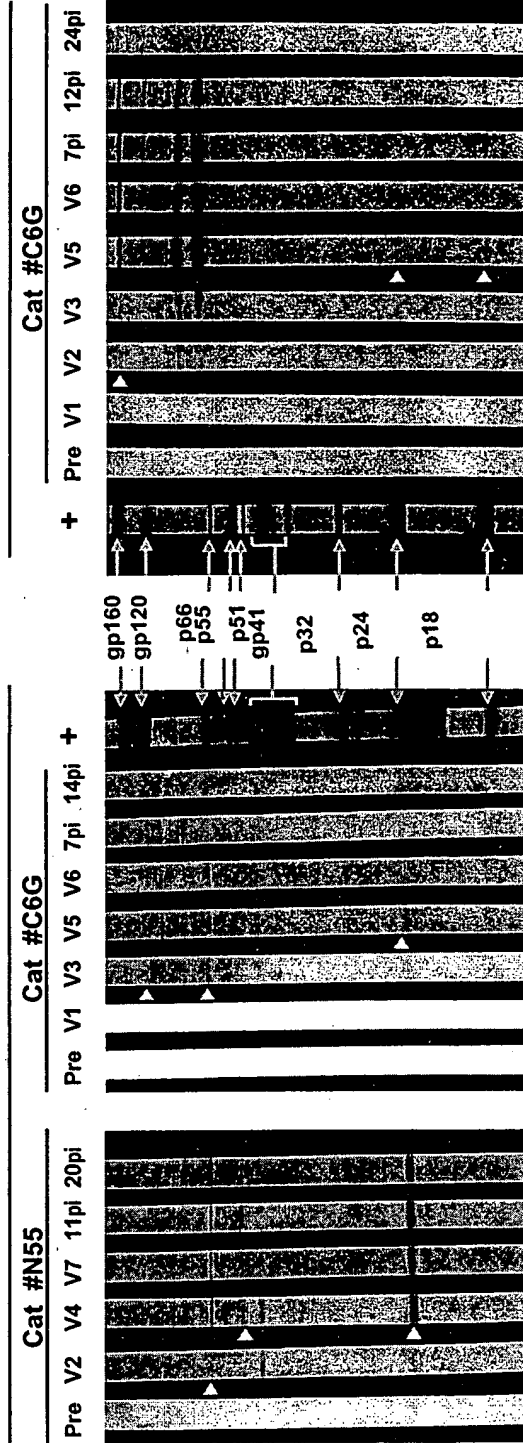


FIG. 7A

200220 2/2/00

CAMBRIDGE BIOTECH HIV-1_{IIIb} BIO-RAD NOVAPATH HIV_{UCD-1}



FIV_{Pet} IMMUNOBLOTS

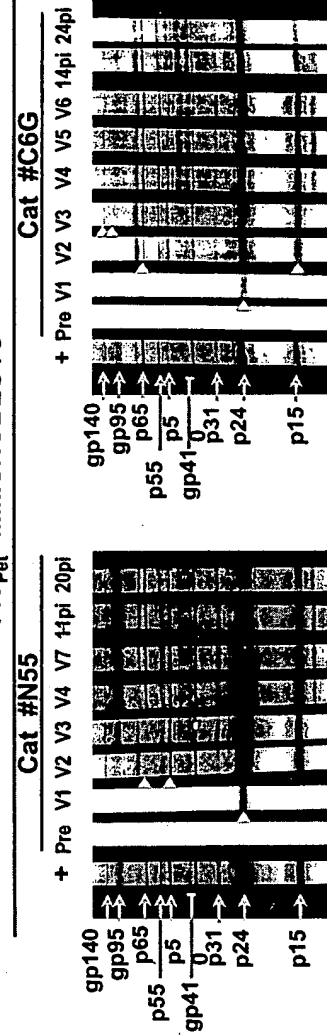


FIG. 7B

2022-2-27

FIV-INFECTED CELL ABSORPTION & FIV VIRUS COMPETITION

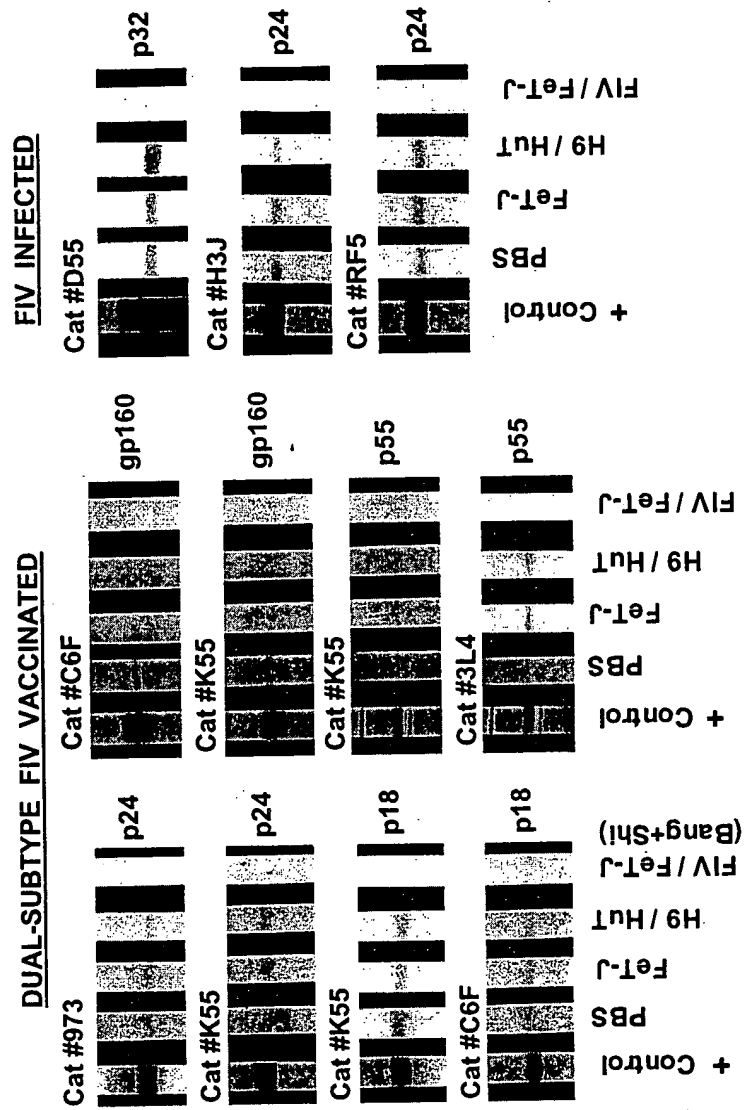


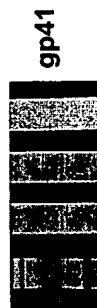
FIG. 8A

202221-22/08/2021

HIV-INFECTED CELL ABSORPTION

DUAL-SUBTYPE FIV VACCINATED

Cat #973



Cat #3L4



+ Control
PBS
H9 / HUt
HIV / HUt

FIG. 8B

THE UNITED STATES OF AMERICA



FIG. 8C

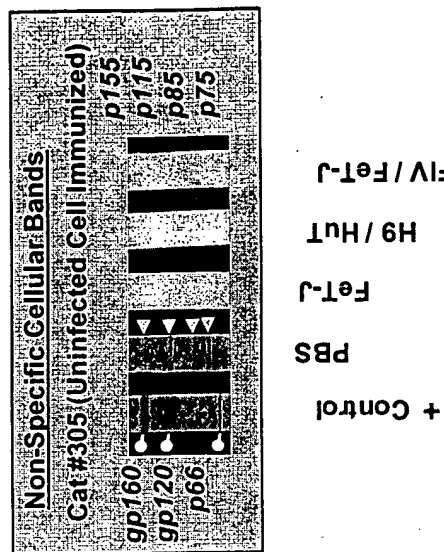


FIG. 8D

202207270001

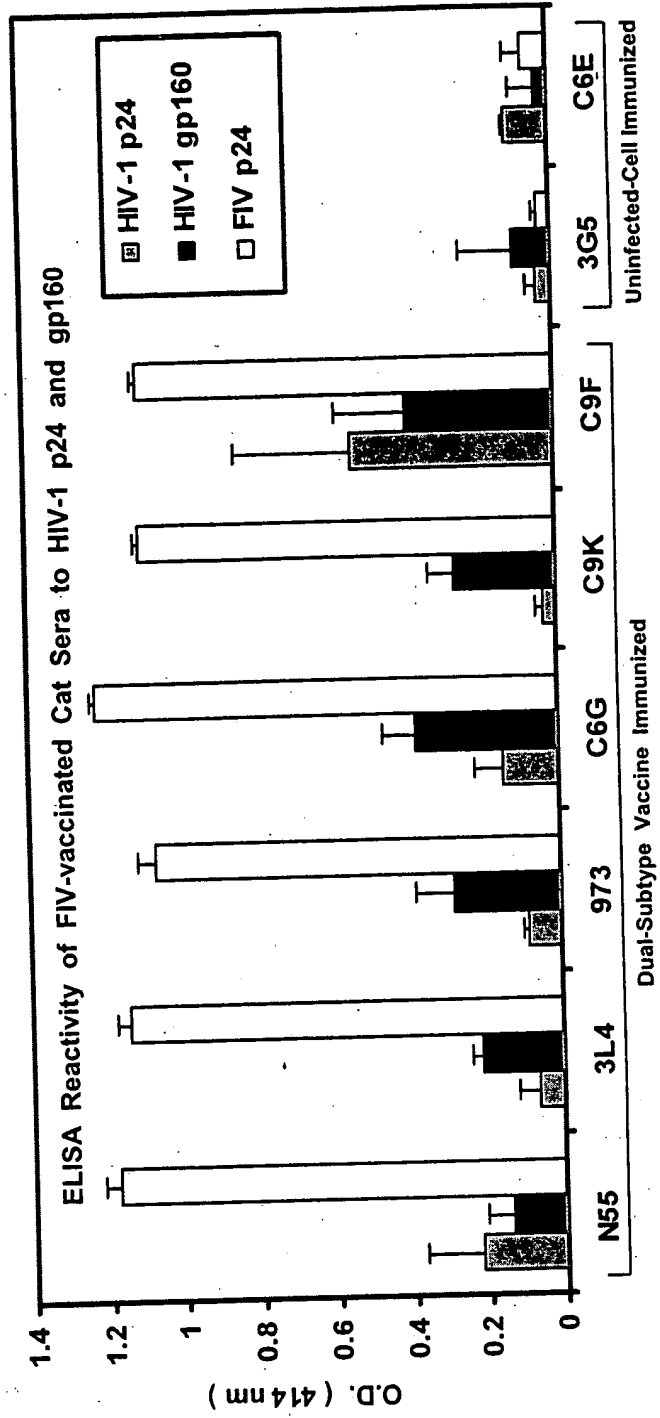


FIG. 9A

202201270001

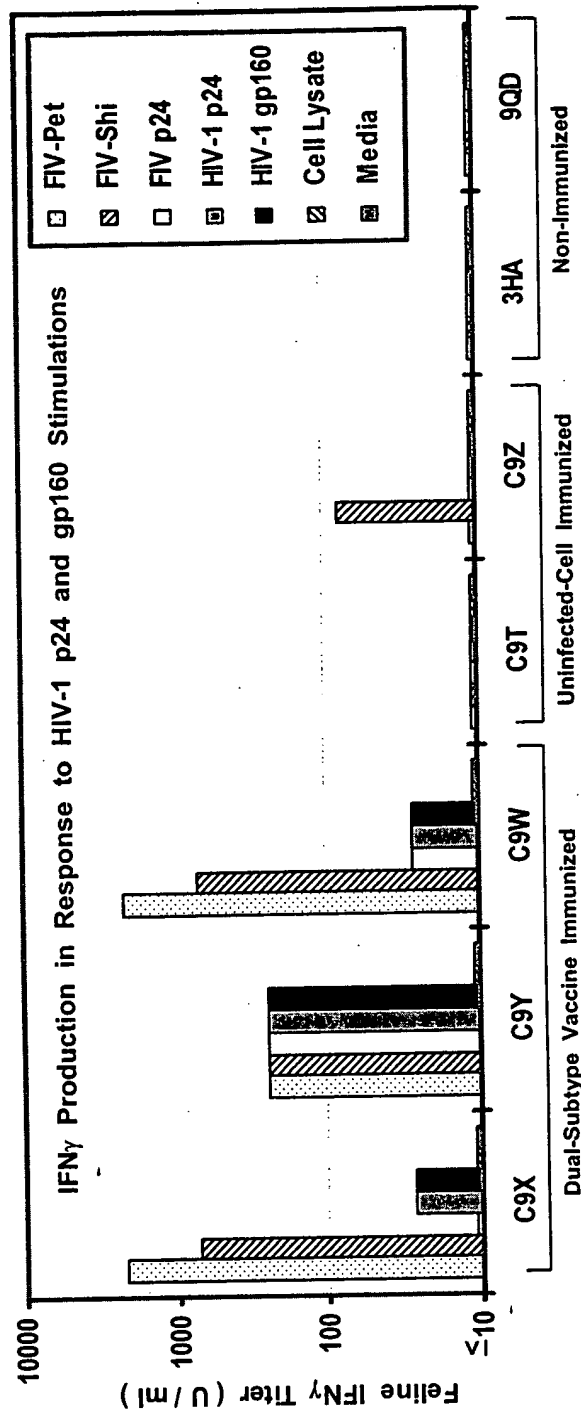


FIG. 9B

202220° 240800T

Consensus --C-GC-GCTGAA-A-ATGTA--CTCA-ATGGGATTAGA-AC-AG-CCATCT---A-GA-----GG-GGAAA-G--G 385
 Pet gag TGCTGCAGCTGAAAAATATGTATTCTCAAAATGGGATTAGACACTAGGCCATCTATGAAGAAGCAGGTGGAAAAAGAGG 385
 Bang TGCTGCAGCTGAAAAACATGTATACTCAGATGGGATTAGACACACAGGCCATCTACAAGAGAAGCAGGAGGAAAAAGAGG 385
 JSY3 gag O TGCTGCAGCTGAAAAATATGTACACTCAGATGGGATTAGACACTAGACCATCTATGAGAGAAGCAGGAGGAAAAAGAGG 385
 UK8 gag TGCTGCAGCTGAAAAATATGTATATACTCAGATGGGATTAGACACTAGACCATCTACAAAAGGAAGCTGGAGGAAAAAGAGG 385
 Shizuoka TACTGCCGCTGAAAAATATGTATGCTCAGATGGGATTAGATATACTAGACCATCTTTAAAGGAGGCAGGAGGAAAGGTAG 133
 Aomori 1 CACAGCAGCTGAAAAATATGTATGCTCAGATGGGATTAGACACACAGACCATCTATATAAGAAAGTGGGGGAAAAAGAG 133
 TM2 gag CACAGCAGCTGAAAAATATGTATGCTCAGATGGGATTAGACACACAGACCATCTGTAAAAGAAAGTGGGGGAAAAAGAG 385
 RT Forward ----- 0
 RT Probe ----- 0
 RT Reverse ----- 0
 FC1 GAG CGCAGCAGCTGAACACACATGTATGCTCAGATGGGATTAGATACACAGACCATCTATAAAAAGAAAGTGGGGGAAAAAGAG 385
 A9=4 ----- 0
 B4=5 ----- 0

Consensus A--G--CCTCCACAGGC-T-TCCTAT-CAACA--AAATGGAG-ACCA-A--A-GTAGC-CT-GA-CC-AAAAATGGT 462
 Pet gag AAGGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCACTTGACCCCAAAAAATGGT 461
 Bang AAAGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCACTTGACCCCAAAAAATGGT 461
 JSY3 gag O AAAGC-CCTCCACAGGCATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCACTTGACCCCAAAAAATGGT 461
 UK8 gag AAGGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCACTTGACCCCAAAAAATGGT 461
 Shizuoka A-GGAGCCTCCACAGGCATATCCTATCCAAACAATAAATGGAGTACCAACAATATGTAGCCCTGGATCCTTAAATGGT 209
 Aomori 1 AAGGA-CCTCCACAGGCTTATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGATCCAAAAATGGT 209
 TM2 gag AAGGA-CCTCCACAGGCTTATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGATCCAAAAATGGT 461
 RT Forward --AGC-CCTCCACAGGCATCTC----- 19
 RT Probe -----ATTCAACAGCAATGGAGCACCACAATATG----- 31
 RT Reverse -----TTGACCCCAAAAAATGGT 16
 FC1 GAG AAGGA-CCTCCACAGGCTTATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGACCCCAAAAAATGGT 461
 A9=4 -TAGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGACCCCAAAAAATGGT 75
 B4=5 --AGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGACCCCAAAAAATGGT 74

FIG. 10

202220" 2740800T

Consensus	GTC-A-TTT-ATGGA-AA-GCAAGAGA-GG--TAGGAGG-GA-GA-GT-CA--T-TGGTT-AC-GC-TT-TC-GC-A	539
Pet gag	GTCCATTTTATGGAAGGCAAGAGAGGACTAGGAGGTGAGGAAGTTCAACTATGGTTTACTGCTTCTCTGCAA	538
Bang	GTCCATTTTATGGAAGGCAAGAGAGGACTAGGAGGTGAGGAAGTTCAACTATGGTTTACTGCTTCTCTGCAA	538
JSY3 gag O	GTCCATTTTATGGAAGGCAAGAGAGGATTAGGAGGTGAGGAAGTTCAACTATGGTTTACTGCTTCTCTGCAA	538
UK8 gag	GTCTATTTTCATGGAAGGCAAGAGAGGTTAGGAGGTGAAGAAGTTCAACTATGGTTTCAAGCCTTCTCTGCAA	538
Shizuoka	GTCCATTTTATGGAAGGCAAGAGAGGATTAGGAGGAGGAGGTCCAACTATGGTTTACTGCAATTTTCAGCTA	286
Aomori 1	GTCCATTTTATGGAAGGCAAGAGAGGAGGCTAGGAGGTGAGGAGGTCCAACTATGGTTTCAAGCCTTTTCAGCTA	286
TM2 gag	GTCCATTTTATGGAAGGCAAGAGAGGAGGCTAGGAGGTGAGGAGGTCCAACTATGGTTTCAAGCCTTTTCAGCTA	538
RT Forward	-----	19
RT Probe	-----	31
RT Reverse	GTCCA-----	21
FC1 GAG	GTCCATTTTATGGAAGGCAAGAGAGGAGGCTAGGAGGTGAGGAGGTCCAACTATGGTTTCAAGCCTTTTCAGCTA	538
A9=4	G-----	76
B4=5	GTCCAA-----	80
Consensus	AT-TAAC--C-ACTGA-ATGGC-ACATTAAT-ATG-C-GC-CC-GG-TG-GC-GCAG-TAA-GA-AT--T-GA-GAA	616
Pet gag	ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGACCCAGGGTGCAGATAAAGAAATATTGGATGAA	615
Bang	ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGACCCAGGGTGCAGATAAAGAAATATTGGATGAA	615
JSY3 gag O	ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGACCCAGGGTGCAGATAAAGAAATATTGGATGAA	615
UK8 gag	ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGACCCAGGGTGCAGATAAAGAAATATTGGATGAA	615
Shizuoka	ATCTAACATCAACTGATATGGCTACATTAATCATGTCTGCACCAGGTTCGACGAGATAAGGAGATCTTAGATGAA	363
Aomori 1	ATTTAACATCAACTGATATGGCTACATTAATATGTCCGCACCTGGCTGCAGCAGTTAAAGAAATCTTAGATGAA	363
TM2 gag	ATTTAACATCAACTGATATGGCTACATTAATATGTCCGCACCTGGCTGCAGCAGATAAAGAAATCTTAGATGAA	615
RT Forward	-----	19
RT Probe	-----	31
RT Reverse	-----	21
FC1 GAG	ATTTAACCTCAACTGATATGGCTACATTAATATGTCTGCCTGGCTGTGCAGCAGATAAAGAGATCTTAGATGAA	615
A9=4	-----	76
B4=5	-----	80

FIG. 10---continued